



IFW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of : Dirk STENKAMP, et al.) Art Unit: Not Yet Assigned
U.S. Appln. No. : 10/647,156) Examiner: Not Yet Assigned
Confirmation No. : Not Yet Assigned
U.S. Filing Date : 08/22/2003
Title of Invention : New Carboxamide Compounds having Melanin Concentrating Hormone
Antagonistic Activity, Pharmaceutical Preparations Comprising these
Compounds and Process for their Manufacture
Attny. Docket No. : 1/1387

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

June 14, 2004

TRANSMITTAL LETTER FOR INFORMATION DISCLOSURE STATEMENT

Sir:

Transmitted herewith concerning the subject application is an Information Disclosure Statement (Form 1449A/B) under 37 C.F.R. §§1.56 and 1.97, as more specifically described hereinbelow.

☒ 1.97(b). This Statement is being filed: i) within three (3) months of the filing date of a national application other than a continued prosecution application under 33 C.F.R. §1.53 (d); ii) within three (3) months of the date of entry of the national stage as set forth in 37 C.F.R. §1.491 in an international application; iii) before the mailing of a first Office action on the merits; or iv) before the mailing of a first Office action after the filing of a request for continued examination under 37 C.F.R. §1.114.

☐ 1.97(c). This Statement is being filed after the time period specified in 37 C.F.R. §1.97(b), but before the mailing date of: i) a final action under 37 C.F.R. §1.113, ii) a notice of allowance under 37 C.F.R. §1.311, or iii) an action that otherwise closes prosecution in the application. This Statement is being accompanied by:

☐ A statement as specified in 37 C.F.R. §1.97(e) [see below]; or

☐ The fee set forth in 37 C.F.R. §1.17(p).

☐ The Commissioner is hereby authorized to charge payment of the \$180.00 fee set forth in 37 C.F.R. §1.17(p) to Deposit Account No. 02-2955.

☐ 1.97(d). This Statement is being filed after the period specified in 37 C.F.R. §1.97(c) but on or before payment of the issue fee. This Statement is accompanied by a statement as specified in 37 C.F.R. §1.97(e) [see below] and the fee set forth in 37 C.F.R. §1.17(p).

☐ 1.97(e).

☒ Each item of information contained in the instant information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to the filing of the instant information disclosure statement; or

☐ No item of information contained in the instant information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained in the instant information disclosure statement was known to any individual designated in 37 C.F.R. §1.56(c) more than three (3) months prior to the filing of the instant information disclosure statement.

☐ The fee set forth in 37 C.F.R. §1.17(p).

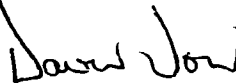
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☐ 1.704(d). Each item of information contained in the accompanying information disclosure statement was cited in a communication from a foreign patent office in a counterpart application, which communication was not received by any individual designated in section 1.56(c) more than thirty (30) days prior to the filing of the accompanying information disclosure statement.

☒ The Commissioner is hereby authorized to charge payment of any additional filing fees required under 37 C.F.R. §1.16 and any patent application processing fees under 37 C.F.R. §1.17, or credit any overpayment of same, to Deposit Account No. 02-2955.

Triplicate copies of this form are enclosed.

Respectfully submitted,



David A. Dow
Attorney for Applicant(s)
Reg. No. 46,124

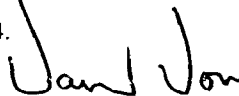
Patent Department
Boehringer Ingelheim Corp.
900 Ridgebury Road, P.O. Box 368
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on June 14, 2004.



David A. Dow, Reg. No. 46,124



Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Sheet

1

of

3

Application Number

10/647.156

Filing Date

08/22/2003

First Named Inventor

Dirk STENKAMP

Art Unit

XXXXXXXXXXXX 1624

Examiner Name

~~Not Yet Assigned~~ T. Truong

Attorney Docket Number

1/1387

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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
/T.N./		EP 1 283 199 A1	02/12/2003	Takeda Chemical Industries, Ltd.		
/T.N./		WO 01/21577 A2	03/29/2001	Takeda Chemical Industries, Ltd.		
/T.N./		WO 02/057233 A1	07/25/2002	SCHERING CORPORATION		
/T.N./		WO 02/051809 A1	07/04/2002	SCHERING CORPORATION		
/T.N./		WO 02/06245 A1	01/24/2002	SYNAPTIC PHARMACEUTICAL CORP.		

**Examiner
Signature**

/Tamthom Truong/

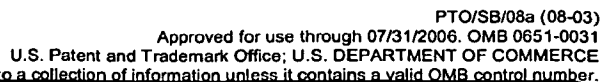
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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Sheet

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3

Application Number

10/647,156

Filing Date

08/22/2003

First Named Inventor

Dirk STENKAMP

Art Unit

~~NOXEX ASSIGNED 1624~~

Examiner Name

~~NoXet~~ T. Truong

Attorney Docket Number

1/1387

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

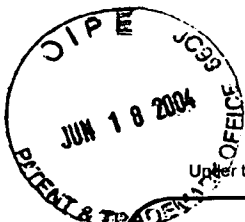
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ *Number ⁴ *Kind Code ⁵ (if known)				
/T.N./		WO 03/032980 A1	04/24/2003	GLAXO GROUP LIMITED		
/T.N./		WO 03/033476 A1	04/24/2003	SMITHKLINE BEECHAM PLC		
/T.N./		WO 01/82925 A1	11/08/2001	Takeda Chemical Industries, LTD.		

Examiner Signature	/Tamthom Truong/	Date Considered	11/05/2009
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 3 of 3

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Application Number	10/647,156
Filing Date	08/22/2003
First Named Inventor	Dirk STENKAMP
Art Unit	XXXXXX 1624
Examiner Name	XXXXXX T. Truong
Attorney Docket Number	1/1387

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/T.N./		YANYUN CHEN, et al. "Targeted Disruption of the Melanin-Concentrating Hormone Receptor-1 Results in Hyperphagia and Resistance to Diet-Induced Obesity", Endocrinology 143(7):2469-2477 2002 .	
/T.N./		DAQING QU, et al. "A role for melanin-concentrating hormone in the central regulation of feeding behaviour" Nature Vol. 380, pp 243-247 1996 .	
/T.N./		MASAKO SHIMADA, et al. "Mice lacking melanin-concentrating hormone are hypophagic and lean" Nature Vol. 396, pp 670-674 1998 .	
/T.N./		BETH BOROWSKY, et al. "Antidepressant, anxiolytic and anorectic effects of a melanin-concentrating hormone-1 receptor antagonist" Nature Medicine Vol. 8, No. 8, pp 825-830, 2002 .	
/T.N./		DONALD J. MARSH, et al. "Melanin-concentrating hormone 1 receptor-deficient mice are lean, hyperactive, and hyperphagic and have altered metabolism" PNAS, Vol. 99, No. 5, pp 3240-3245, 2002 .	
/T.N./		SHIRO TAKEKAWA, et al. "T-226296: a novel, orally active and selective melanin-concentrating hormone receptor antagonist" E. Journal of Pharm. Vol. 438, pp 129-13, 2002 .	

Examiner Signature	/Tamthom Truong/	Date Considered	11/05/2009
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